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TITLE : BORON CARBIDE COMBINED CARBON MATERIAL, ITS PRODUCTION AND MATERIAL CONFRONTING PLASMA

ABSTRACT : PROBLEM TO BE SOLVED: To obtain a carbon material having heat resistance, chemical stability, wear resistance, etc., even after the base material is exposed owing to the consumption of the boron carbide coating film.

SOLUTION: The open pores in a carbon fiber-carbon composite material contg. carbon fibers and a carbon matrix are filled with boron carbide and a boron carbide coating film is formed on the surface of the composite material to obtain the objective boron carbide combined carbon material.

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